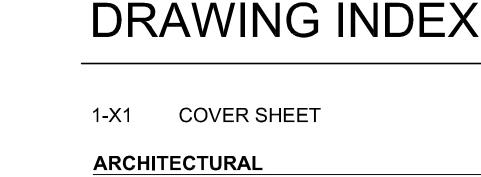
DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER - WADE PARK

10701 EAST BLVD. CLEVELAND, OH. 44106

Social Work and HBPC Office Renovation PROJECT NO. 541-12-104

Veterans Administration Medical Center DRAWING INDEX



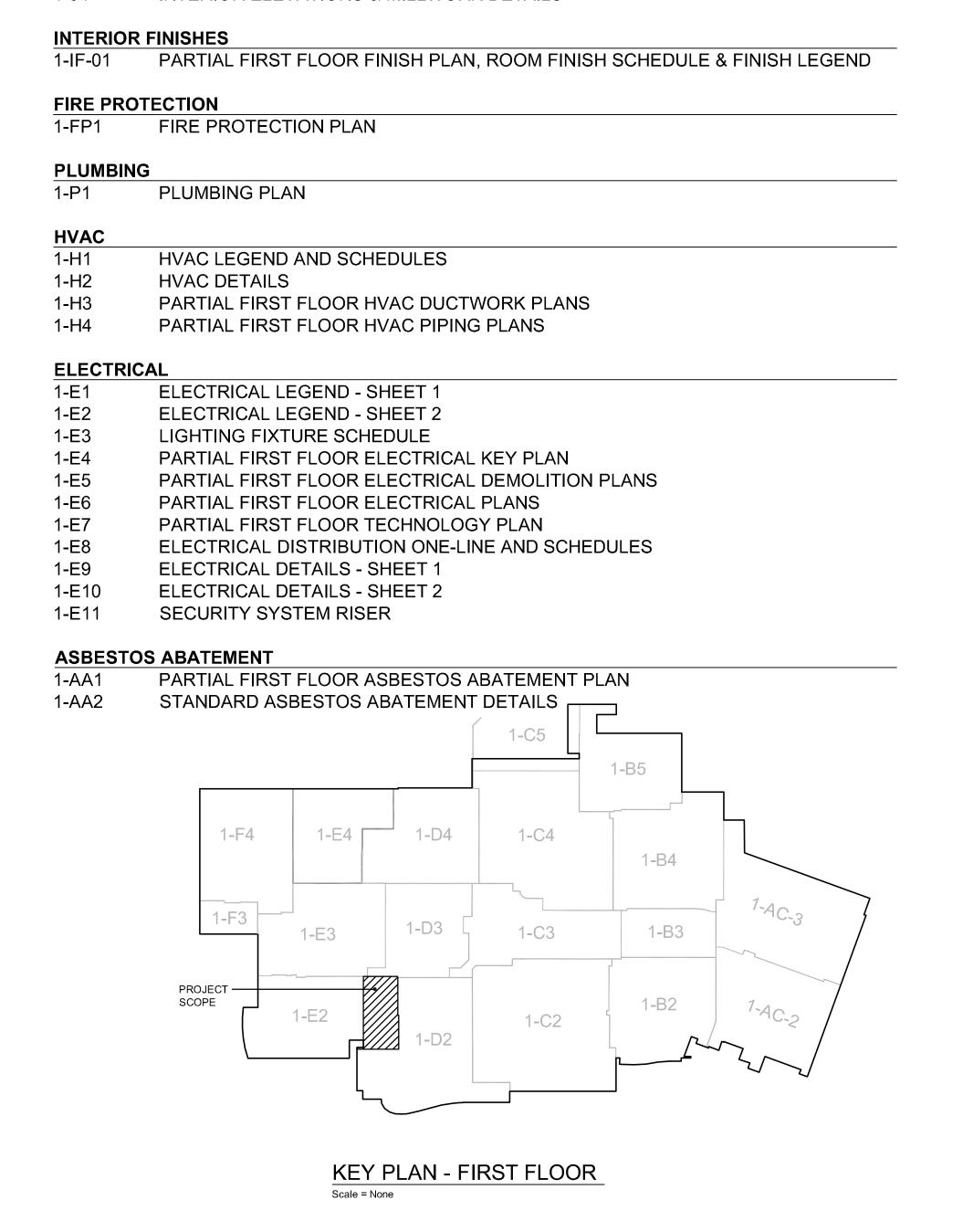


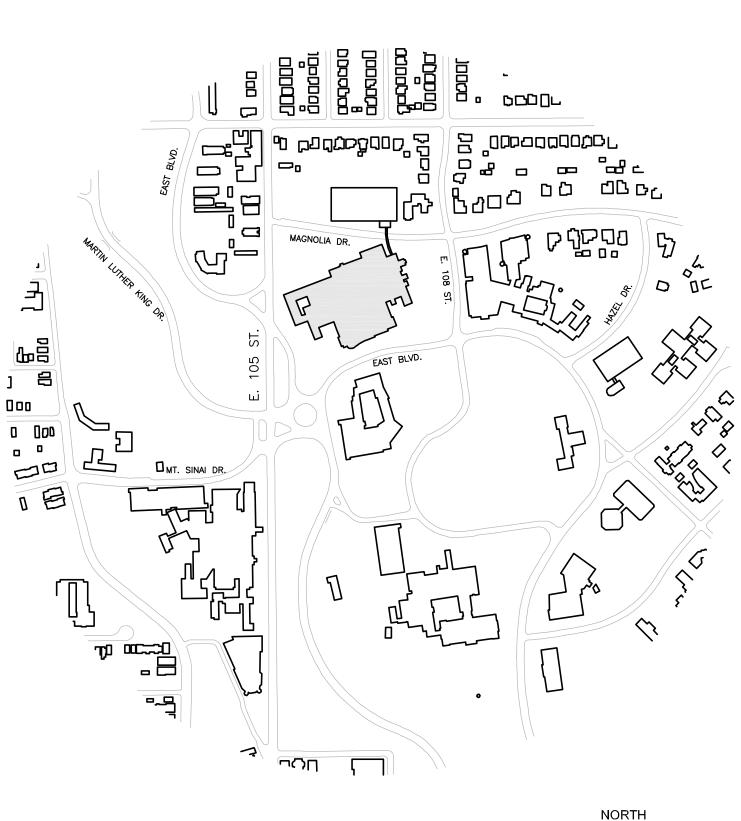
Final Bid Set Documents April 27, 2012



2009 Life Safety Code, 2009 IBC OCCUPANCY, USE GROUP: Health Care, I-2 FIRE SUPPRESSION: Fully Sprinklered TRAVEL DISTANCES: (LSC 18.2.5.7.3.4) Suite Remote Point to Exit Access Door One Intervening Room: 100' Two Intervening Rooms: 50' Suite Remote Point to Exit: 200' TYPE OF CONSTRUCTION: (LSC A.8.2.1.2) Type 1 - 332, 1B EXTERIOR BEARING WALLS: (LSC A.8.2.1.2) INTERIOR BEARING WALLS: (LSC A.8.2.1.2) 3 Hours STRUCTURAL COLUMNS: (LSC A.8.2.1.2) 3 Hours - Supporting more than 1 floor 2 Hours - Supporting one floor only 2 Hours - Supporting roof only FLOOR - CEILING ASSEMBLIES: (LSC A.8.2.1.2) 2 Hours ROOF - CEILING ASSEMBLIES: (LSC A.8.2.1.2) $1\frac{1}{2}$ Hours INTERIOR NONBEARING WALLS: (LSC A.8.2.1.2) EXTERIOR NONBEARING WALLS: (LSC A.8.2.1.2) 0 Hour EXIT ENCLOSURES (LSC 7.1.3.2.1) Existing: 1 Hour New: 2 Hours SHAFT ENCLOSURES (LSC 8.6.5) 4 Stories or more: 2 Hours Less than 4 stories: 1 Hour SMOKE BARRIERS: (LSC 18.3.6.3) 1 Hour EXIT ACCESS CORRIDORS: (LSC 18.3.6.2) 0 Hour, Smoke Partitions SUITE WALLS: (LSC 18.2.5.7.1.2)

0 Hour, Smoke Partitions





SITE PLAN

ARCH. JOB NO.: 11-039

Fredrick, Fredrick & Heller Engineers

Mechanical & Electrical Engineer 672 E. Royalton Rd., Broadview Hgts, Ohio 44147

Perspectus Architecture LLC

91 16

VA FORM 08-6231, FEB. 1983

Architect 13212 Shaker Square Suite 204 Cleveland, Ohio 44120

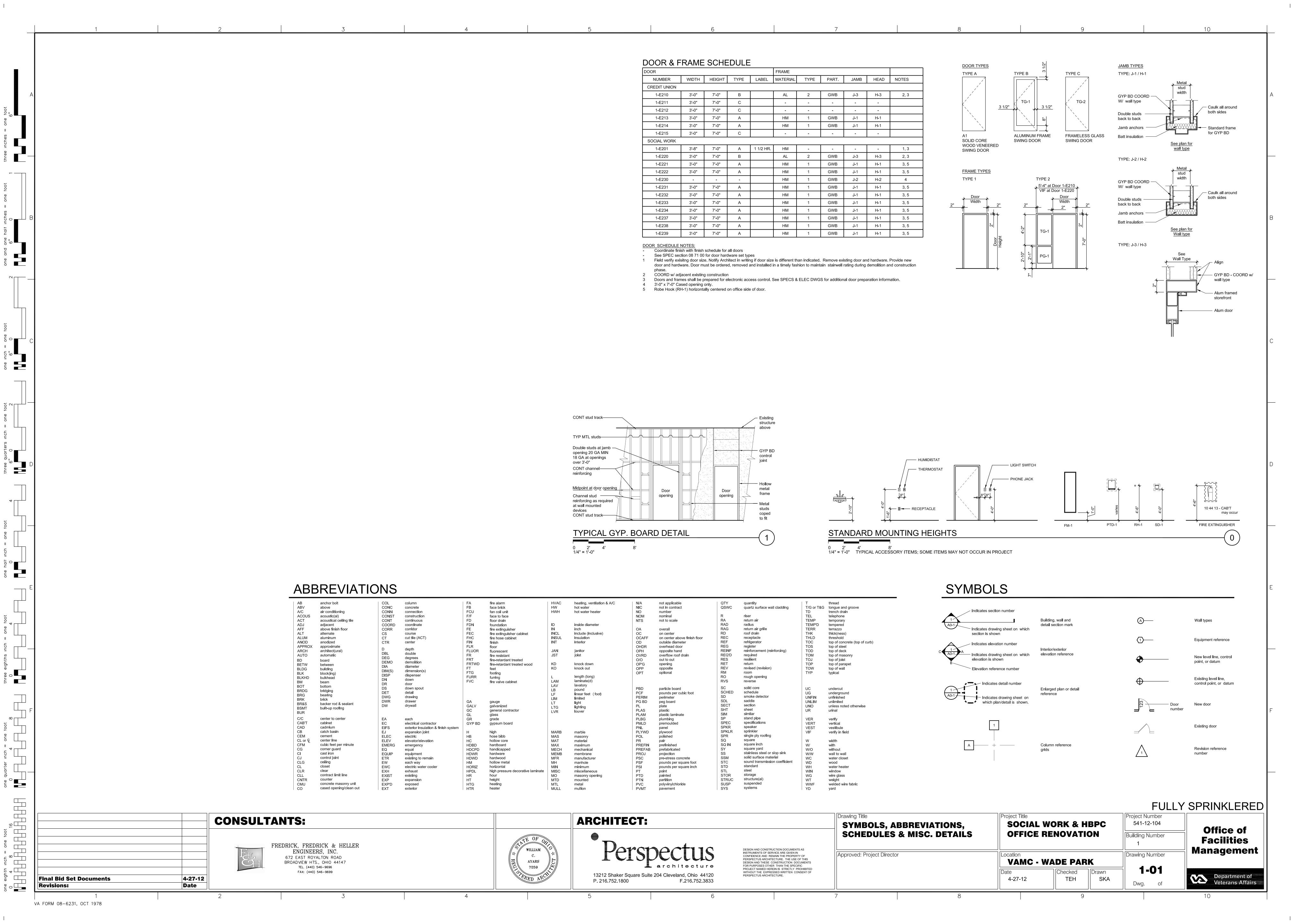
Stephen J. Sebesta & Associates

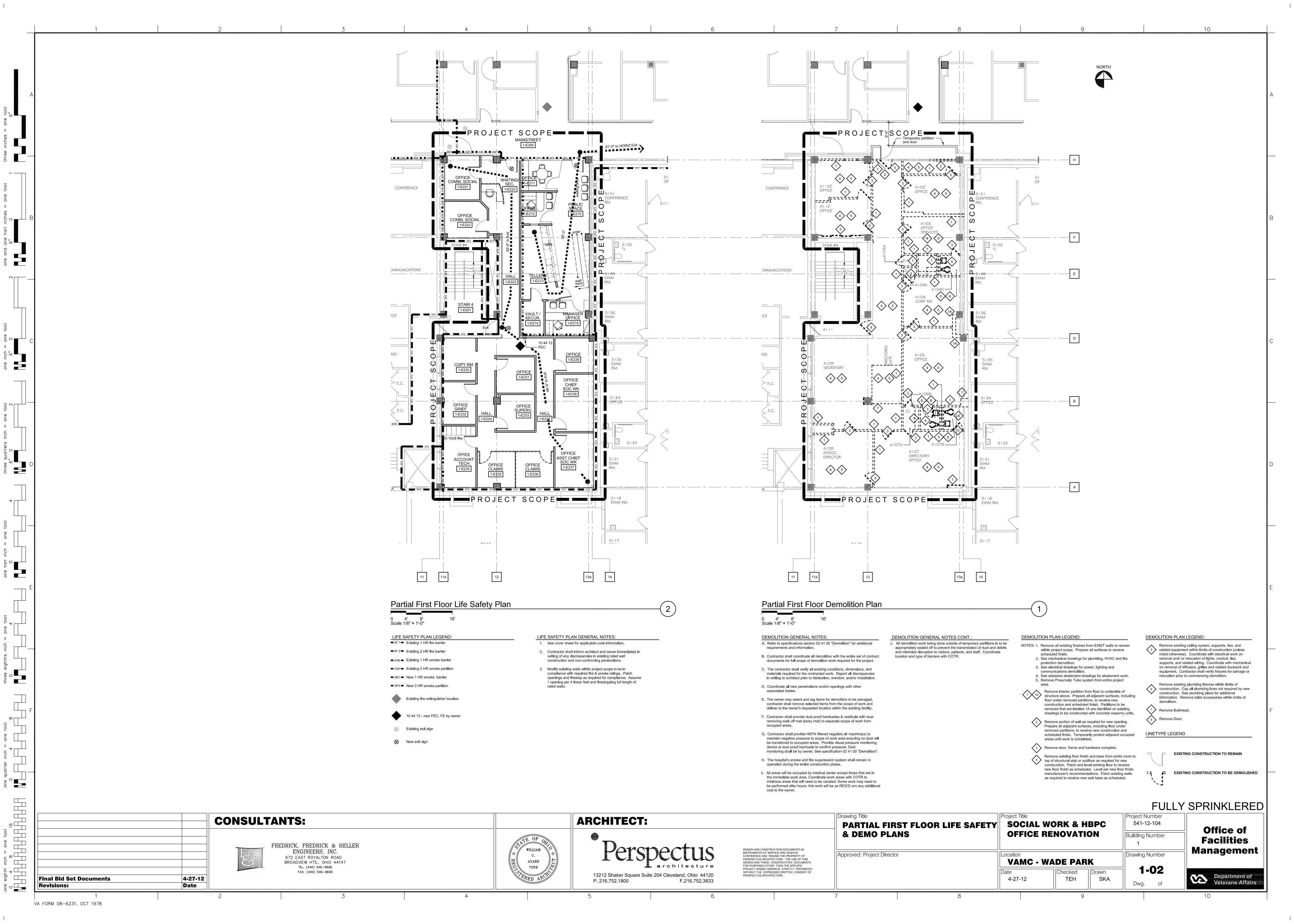
Asbestos Abatement 17830 Englewood Drive, Suite 16, Cleveland, Ohio 44130

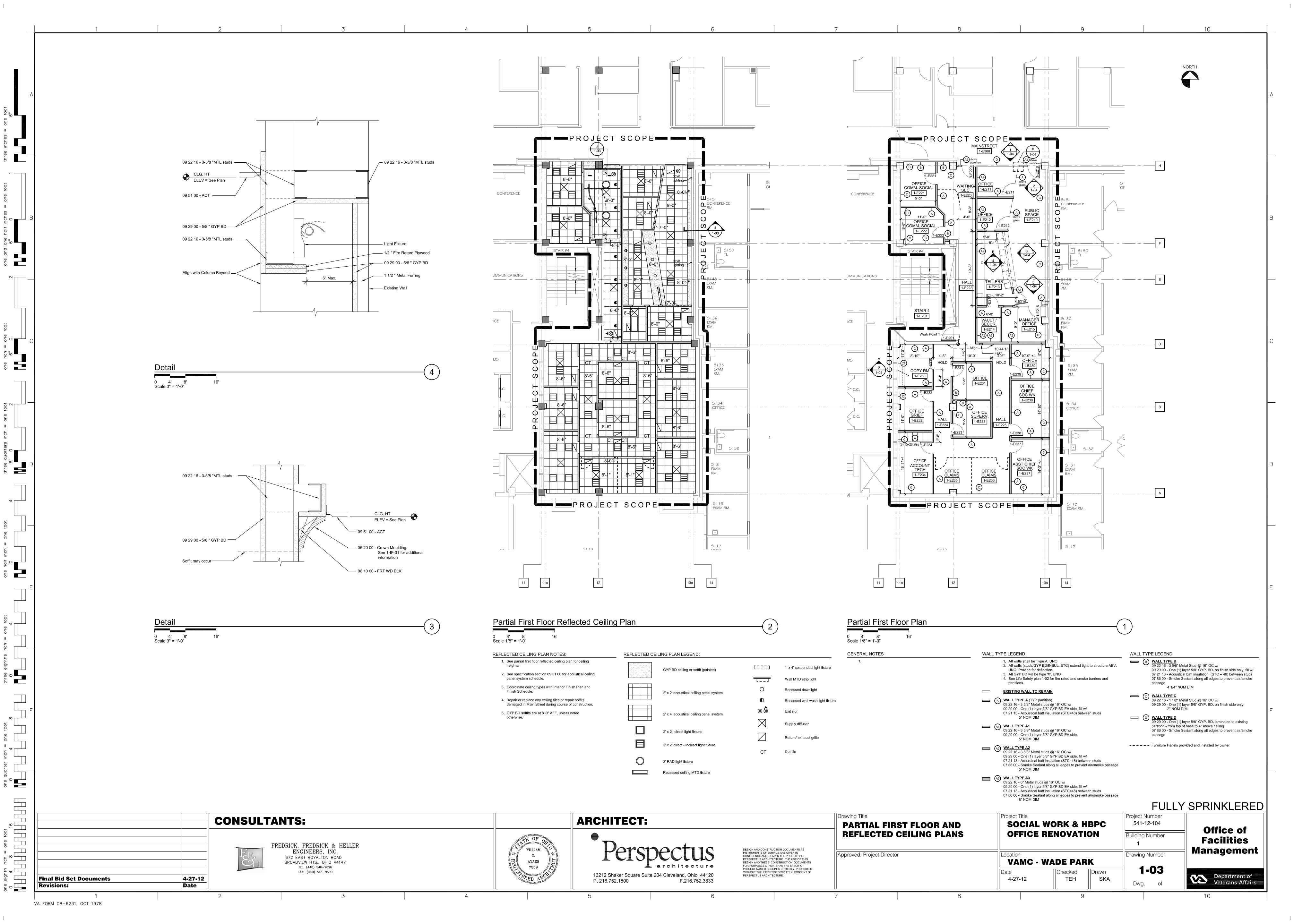
FULLY SPRINKLERED

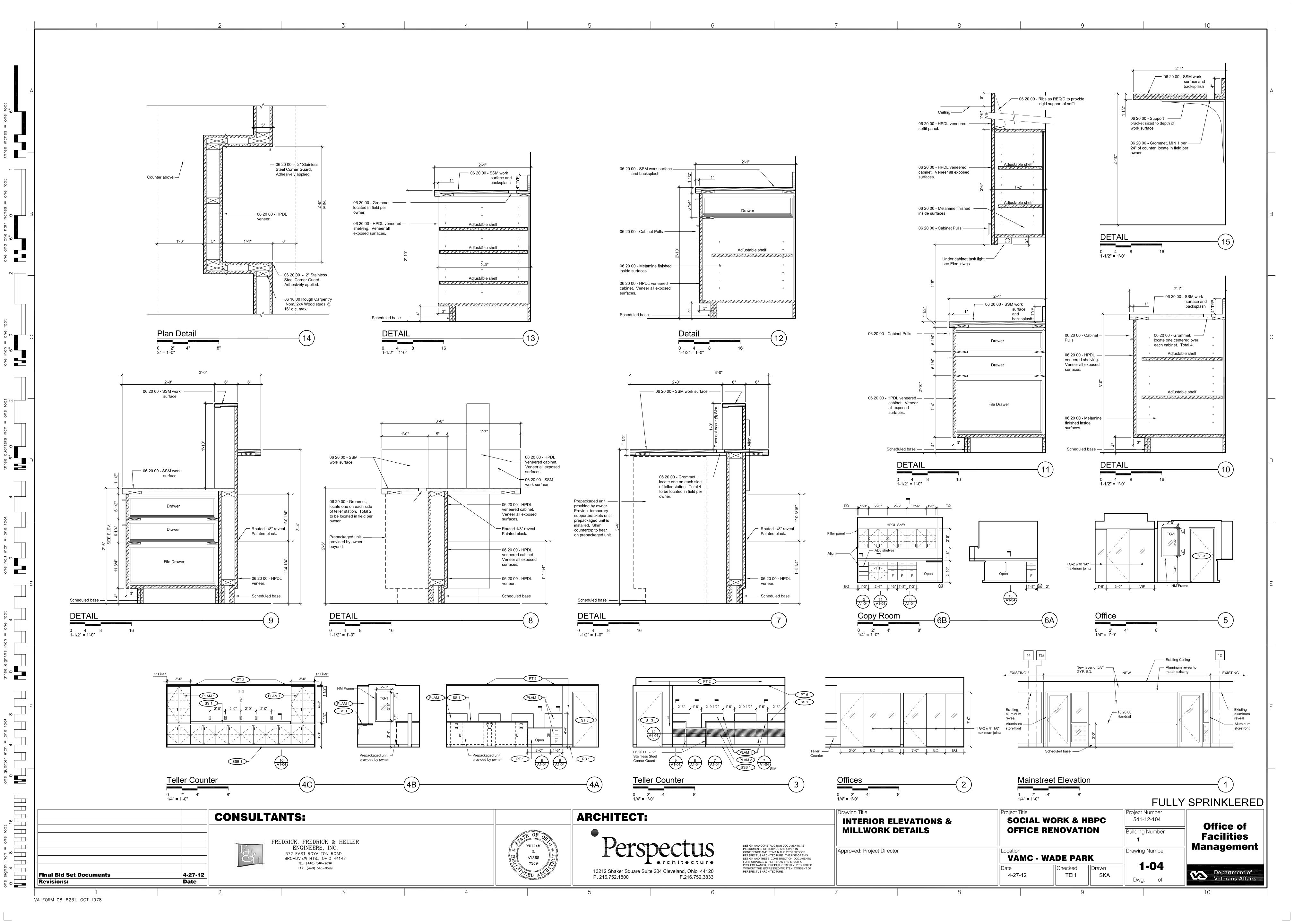
★U.S. GOVERNMENT PRINTING OFFICE: 1983-400-2

APPROVALS	DATE	APPROVALS	DATE	APPROVALS	DATE	COVER SHEET	SOCIAL WORK AND	Date 04-27-12	Office of
DIRECTOR 00		CHIEF Planning and Construction		FACILITY MANAGER			HBPC OFFICE RENOVATION	Project No. 541-12-104	Facilities Management
ASSOCIATE DIRECTOR 00A (B)		CHIEF, Occupational Health & Safety		SHOP FOREMAN 138		Approved: Division Chief	Building Number Checked Drawn 1 TEH SKA	DRAWING NO.	
CHIEF, ENGINEERING 138		CHIEF, IRM				Approved: Service Director	Location 10701 EAST BLVD. CLEVELAND, OHIO		Department of Veterans Affairs









GENERAL FINISH SCHEDULE NOTES:

- MULTIPLE WALL FINISHES OCCUR, REFER TO FINISH PLAN ON THIS SHEET FOR LOCATIONS.
- REFER TO ELEVATIONS FOR FINISHES AT MILLWORK THIS AREA.
- PATCH ALL FINISHES TO MATCH EXISTING.
- EFTR: EXISTING FINISH TO REMAIN.
- PROVIDE CROWN MOLDING CM1 AT CEILING. REFER TO ARCHITECTURAL DRAWING 1-03.
- WINDOW TRIM TO BE PAINTED PT1.

FLOORING NOTES

- 1. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY DESIGNER OF ANY DISCREPANCIES.
- 2. CONTRACTOR IS TO PREP WALLS AS NECESSARY FOR NEW BASE.
- 3. PROVIDE NEW BASE AND FLOORCOVERING AS SPECIFIED THROUGHOUT. CONTRACTOR TO PREP FLOORS AS NECESSARY FOR NEW FINISHES.
- 4. CONTRACTOR TO PROVIDE TEMPORARY PROTECTION ON ALL NEW FLOORING. 5. CONTRACTOR SHALL PREP FLOOR AS NECESSARY TO ENSURE THAT THE TOP SURFACE OF ALL ADJACENT CARPETS ARE TO BE FLUSH REGARDLESS OF PILE
- 6. TRANSITION AND REDUCING STRIPS ARE TO BE INSTALLED AT ALL CHANGES IN FLOOR MATERIAL AND/OR ELEVATION THAT OCCURS IN AREAS TO BE NEWLY FINISHED. VERIFY WITH DESIGNER EACH CONDITION AND TYPE OF TRANSITION AND/OR REDUCING STRIP TO BE USED PRIOR TO INSTALLATION, FLOAT FLOOR AS REQUIRED FOR SMOOTH/FLUSH TRANSITION BETWEEN MATERIAL CHANGES. CONTRACTOR TO VERIFY IN FIELD EXACT LOCATION OF NEW TRANSITION STRIP. TRANSITION TO BE INSTALLED AT CENTER OF DOOR.

WALL NOTES

- 1. PREP WALLS FOR NEW FINISHES. PATCH AND REPAIR WALLS TO CREATE A SMOOTH UNIFORM FINISH.
- 2. CONTRACTOR TO APPLY AT LEAST TWO COATS OF PAINT. EACH COAT TO BE EQUAL TO 1.6 MIL. APPLY MORE IF NECESSARY TO COVER EXISTING COLOR.
- 3. CONTRACTOR SHALL PAINT ALL MISC. METAL ITEMS SUCH AS ELECTRICAL PANEL COVERS, ELECTRICAL WIRE MOLD, ETC... TO MATCH ADJACENT WALL COLOR.

GENERAL NOTES

- 1. EXISTING CONDITIONS HAVE BEEN SHOWN FROM GENERAL SPACE OBSERVATION AND EXISTING DRAWINGS. RESPECTIVE TRADES SHALL CONDUCT A COMPLETE FIELD SURVEY OF EXISTING CONDITIONS PRIOR TO SUBMISSION OF BID PRICE. NO ADDITIONAL PAYMENT WILL BE MADE FOR CLAIMS THAT ARISE FROM LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
- 2. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE OBC AND ALL LOCAL CODES AND ORDINANCES.
- 3. ALL FINISHES SHALL COMPLY WITH THE OBC SECTIONS 803, 804 AND 805.
- 4. THE CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A MINIMUM OF TWELVE (12) MONTHS AFTER THE DATE OF FINAL COMPLETION TO CONTRACTOR UNDER THE CONTRACT. ANY ITEMS DEEMED TO BE DEFECTIVE SHALL BE AT CONTRACTOR'S SOLE EXPENSE, BUT AT OWNER'S OPTION AND CONVENIENCE, BE REPAIRED, REPLACED OR RE-PERFORMED.
- 5. ALL GYPSUM BOARD SOFFITS AND HEADERS WITHIN THE PROJECT SCOPE LINE TO BE PAINTED, SEE ROOM FINISH SCHEDULE AND MATERIAL LEGEND FOR COLOR.
- 6. ANY SPECIFIC BRAND NAMES NOTED AS "BASIS OF DESIGN" OR LISTED WITH "OR EQUAL" OR "OR EQUIVALENT" ARE INTENDED TO INDICATE THE QUALITY, STYLE, AND/OR GENERAL APPEARANCE FOR A SPECIFIC PRODUCT, AND IT IS NOT INTENDED TO INDICATE SOLE SOURCING OF THAT PRODUCT. THE CONTRACTOR MAY USE PRODUCTS FROM OTHER MANUFACTURERS THAT ARE EQUIVALENT IN QUALITY, STYLE AND APPEARANCE TO THOSE LISTED. THIS APPLIES TO THE SPECIFICATIONS AS WELL AS THE DRAWING SET.

MATERIAL LEGEND

- <u>FLOORING</u> CPT 1 CARPET/ MFR: MANNINGTON/ STYLE: VISTA/ COLOR: FIRE VALLEY (FIVA)/ BACKING: INFINITY MODULAR, 24" X 24"/ INSTALLATION: MONOLITHIC; OR OWNER APPROVED EQUAL
- CPT 2 <u>CARPET</u>/ MFR: MANNINGTON/ STYLE: LAVA LAMP/ COLOR: KAPALUA (KAPA)/ BACKING: INFINITY MODULAR, 24" X 24"/ INSTALLATION: MONOLITHIC; OR OWNER APPROVED EQUAL
- XX 1 PATCH FLOORING TO MATCH EXISTING (PORCELAIN CERAMIC TILE/ MFR: STONEPEAK / STYLE: LIMESTONE COLLECTION / COLOR: HONEY USH2424002/ FINISH: HONED/ SIZE: 24" X 24" X 3/8"; OR OWNER APPROVED EQUAL GROUT: MFR: STAR QUARTZ, QUARTZ LOCK / COLOR: HEMP 283; OR OWNER APPROVED EQUAL/ NOTE: GROUT JOINTS TO BE 1/8"

MAXIMUM, GROUT TO BE UNSANDED

- <u>BASE</u>
 - QUARTZ SURFACE BASE / MFR: DUPONT / STYLE: ZODIAQ QUARTZ SURFACES/ COLOR: STORM GREY/ FINISH: POLISHED/ SIZE: 6" X $\frac{3}{4}$ " (SLAB: 52" X 118" X $\frac{3}{4}$ "); OR OWNER APPROVED EQUAL NOTE: REUSE EXISTING AND PATCH WHERE NEEDED. INSTALL MAXIMUM LENGTHS FOR BASE
- RUBBER BASE/ MFR: FLEXCO/ STYLE: 1/8" GAUGE, 4" COVE BASE, 120' COIL / COLOR: HONEY 064; OR OWNER APPROVED EQUAL
- SSB 1 <u>SOLID SURFACE BASE</u> / MFR: LG HI-MACS / COLOR: BLACK GRANITE G-31/ FINISH: SATIN/ SIZE: 4" X 3/4"/ NOTE: INSTALL MAXIMUM LENGTHS FOR BASE; OR OWNER APPROVED EQUAL
- WDB 1 WOOD BASE / MFR: SPECTRIM / SPECIES: PVC WRAPPED MDF / COLOR: HONDURAS MAHOGANY 08/ SIZE: 6" HEIGHT, TCB-452; OR OWNER APPROVED EQUAL
- TS 1 TRANSITION STRIP (VINYL)/ MFR: JOHNSONITE/ COLOR: BURNT UMBER 63; OR OWNER APPROVED EQUAL
- TS 2 TRANSITION STRIP (METAL)/ MFR: SCHLUTER/ STYLE: SCHIENE AE80/ FINISH: ANODIZED ALUMINUM; OR OWNER APPROVED EQUAL

Date

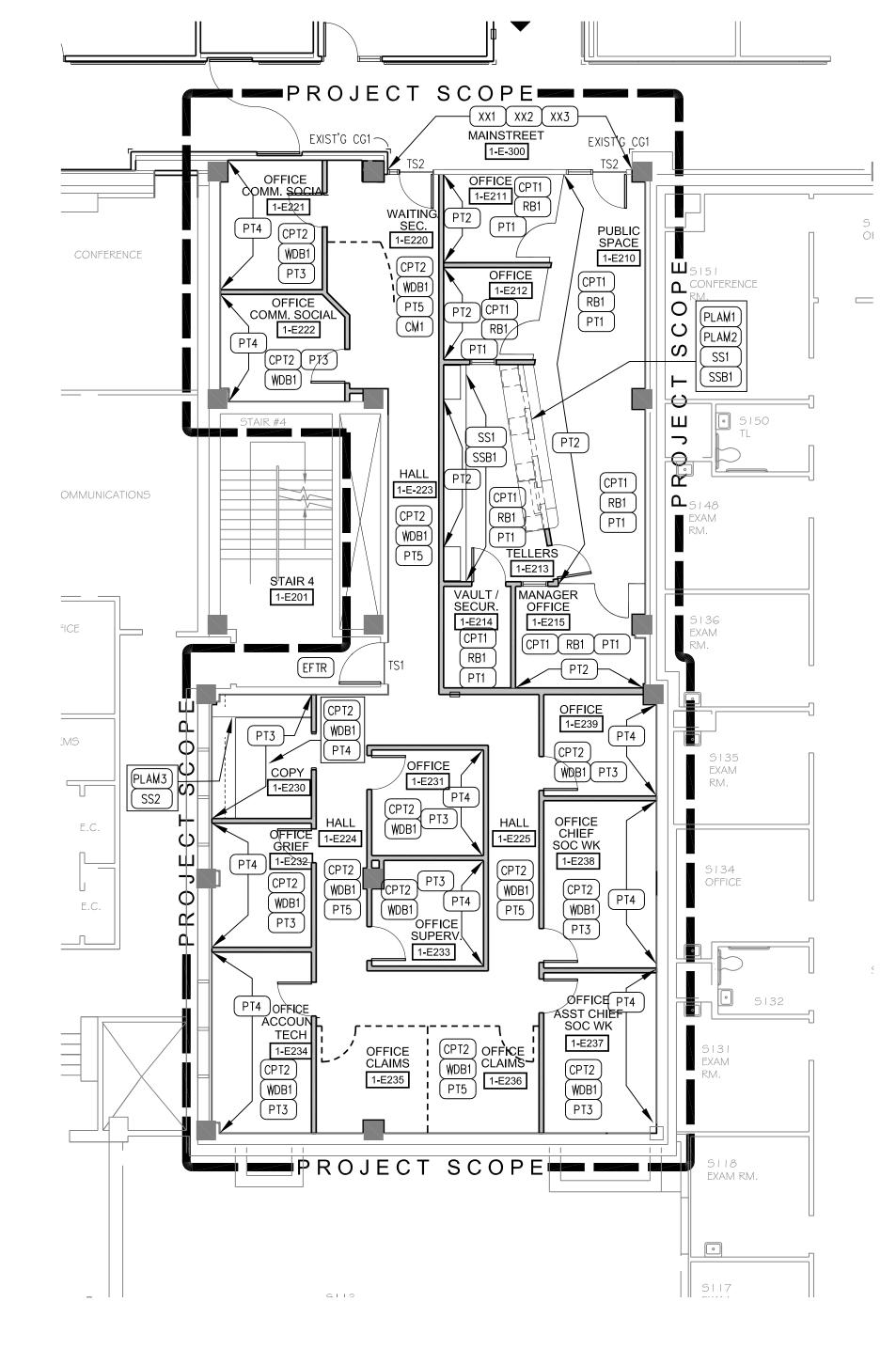
- PT 1 PAINT & TRIM PAINT / MFR: SHERWIN WILLIAMS, HARMONY / COLOR: BLONDE, SW6128/ FINISH: LATEX EGGSHELL FOR WALLS, ALKYD ENAMEL SEMI-GLOSS FOR TRIM; OR OWNER APPROVED EQUAL
- PT 2 PAINT/ MFR: BENJAMIN MOORE AURA/ COLOR: ONONDAGA CLAY, 1204/ FINISH: LATEX EGGSHELL FOR WALLS; OR OWNER APPROVED
- PT 3 PAINT/ MFR: SHERWIN WILLIAMS, HARMONY/ COLOR: OYSTER BAY,SW6206/ FINISH: LATEX EGGSHELL FOR WALLS, PRO CLASSIC ALKYD ENAMEL SEMI-GLOSS FOR TRIM; OR OWNER APPROVED
- PT 4 <u>PAINT</u>/ MFR: SHERWIN WILLIAMS, HARMONY/ COLOR: RETREAT, SW6207/ FINISH: LATEX EGGSHELL FOR WALLS; OR OWNER APPROVED EQUAL
- PT 5 PAINT/ MFR: SHERWIN WILLIAMS, HARMONY/ COLOR: STUDIO TAUPE, SW7549/ FINISH: LATEX EGGSHELL FOR WALLS, PRO CLASSIC ALKYD ENAMEL SEMI-GLOSS FOR TRIM; OR OWNER APPROVED EQUAL
- PT 6 <u>NOTE</u>: PT6 LOCATED UNDER CEILING FINISHES
- PT 7 PAINT (TRIM)/ MFR: SHERWIN WILLIAMS, HARMONY/ COLOR: HARDWARE, SW6172/ FINISH: PRO CLASSIC ALKYD ENAMEL SEMI-GLOSS; OR OWNER APPROVED EQUAL
- PAINT/ MFR: BENJAMIN MOORE AURA/ COLOR: OAKWOOD MANOR, 1095/ FINISH: LATEX EGGSHELL; OR OWNER APPROVED EQUAL NOTE: PAINT COLOR TO BE CONFIRMED WITH MAINSTREET FINALIZED

<u>CASEWORK</u>

- PLAM 1 PLASTIC LAMINATE / MFR: WILSONART / COLOR: FUSION MAPLE, 7909-60; OR OWNER APPROVED EQUAL
- PLAM 2 <u>PLASTIC LAMINATE</u>/ MFR: WILSONART/ COLOR: WILD CHERRY 7054-60; OR OWNER APPROVED EQUAL
- PLAM 3 PLASTIC LAMINATE/ MFR: WILSONART/ COLOR: SATIN OXIDE 4832-07; OR OWNER APPROVED EQUAL
- SS 1 SOLID SURFACE/ MFR: AVONITE, STUDIO COLLECTION/ COLOR: COPPER CANYON K3-9570/ FINISH: GLOSS; OR OWNER APPROVED
- SS 2 SOLID SURFACE/ MFR: WILSONART, GIBRALTAR/ COLOR: SONATA SPRUCE, 9053SN/ FINISH: SATIN; OR OWNER APPROVED EQUAL
- <u>MISCELLANEOUS</u> CM 1 <u>CROWN MOLDING</u>/ MFR: SPECTRIM/ SPECIES: PVC WRAPPED MDF/ COLOR: HONDURAS MAHOGANY 08/ SIZE: 1 1/8" X 5 13/16", TCC-251; OR OWNER APPROVED EQUAL
- ST 1 NOT USED
- ST 2 <u>DOOR STAIN</u>/ COLOR: LIGHT STAIN COLOR TO MATCH FIRST OFFICE, LIGHT MAPLE LAMINATE, LM2/ FINISH: LATEX SATIN/ NOTE: SUBMIT SAMPLE FOR APPROVAL
- ST 3 DOOR STAIN/ COLOR: STAIN COLOR TO MATCH VA STANDARD OAK STAIN COLOR/FINISH: LATEX SATIN/NOTE: SUBMIT SAMPLE FOR

<u>CEILINGS</u>

- ACT 1 ACOUSTIC CEILING TILE / MFR: ARMSTRONG / STYLE: CIRRUS ANGLED TEGULAR, 584/ SIZE: 2' X 2'/ SUSPENSION SYSTEM: MFR: ARMSTRONG/ STYLE: PRELUDE/ SIZE: 15/16"; OR OWNER APPROVED EQUAL
- GYPSUM BOARD CEILING & SOFFIT PAINT/ MFR: BENJAMIN MOORE AURA/ COLOR: ONONDAGA CLAY, 1204/ FINISH: LATEX FLAT ON HORIZONTAL SURFACE, VERTICAL SURFACE TO BE EGGSHELL FINISH; OR OWNER APPROVED EQUAL



Partial First Floor Finish Plan

Scale 1/8" = 1'-0"

ALL FLOORING TO RUN CONTINUOUS UNDER ALL MILLWORK, UNLESS NOTED OTHERWISE.

FINISH DRAWINGS 1-IF-01 SUPERSEDES ARCHITECTURAL DRAWINGS FOR FINISH MATERIALS, COLOR AND LOCATIONS ONLY.

FINISH SAMPLES SHALL BE SUBMITTED TO DESIGNER FOR APPROVAL BEFORE PURCHASING AND INSTALLATION.

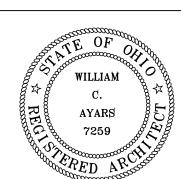
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Final Bid Set Documents 4-27-12



CONSULTANTS:

FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 672 EAST ROYALTON ROAD BROADVIEW HTS., OHIO 44147 TEL. (440) 546-9696 FAX: (440) 546-9699



ARCHITECT:

P. 216.752.1800



F.216.752.3833

DESIGN AND CONSTRUCTION DOCUMENTS A INSTRUMENTS OF SERVICE ARE GIVEN IN CONFIDENCE AND REMAIN THE PROPERTY OF PERSPECTUS ARCHITECTURE. THE USE OF THIS DESIGN AND THESE CONSTRUCTION DOCUMENTS FOR PURPOSES OTHER THAN THE SPECIFIC PROJECT NAMED HEREIN IS STRICTLY PROHIBITED PERSPECTUS ARCHITECTURE.

Drawing Title PARTIAL FIRST FLOOR FINISH PLAN, ROOM FINISH SCHEDULE & FINISH LEGEND

Approved: Project Director

Project Title **SOCIAL WORK & HBPC OFFICE RENOVATION**

Checked

TEH

SKA

VAMC - WADE PARK

4-27-12

541-12-104 Building Number Drawing Number 1-IF-01 ||Drawn

Dwg.

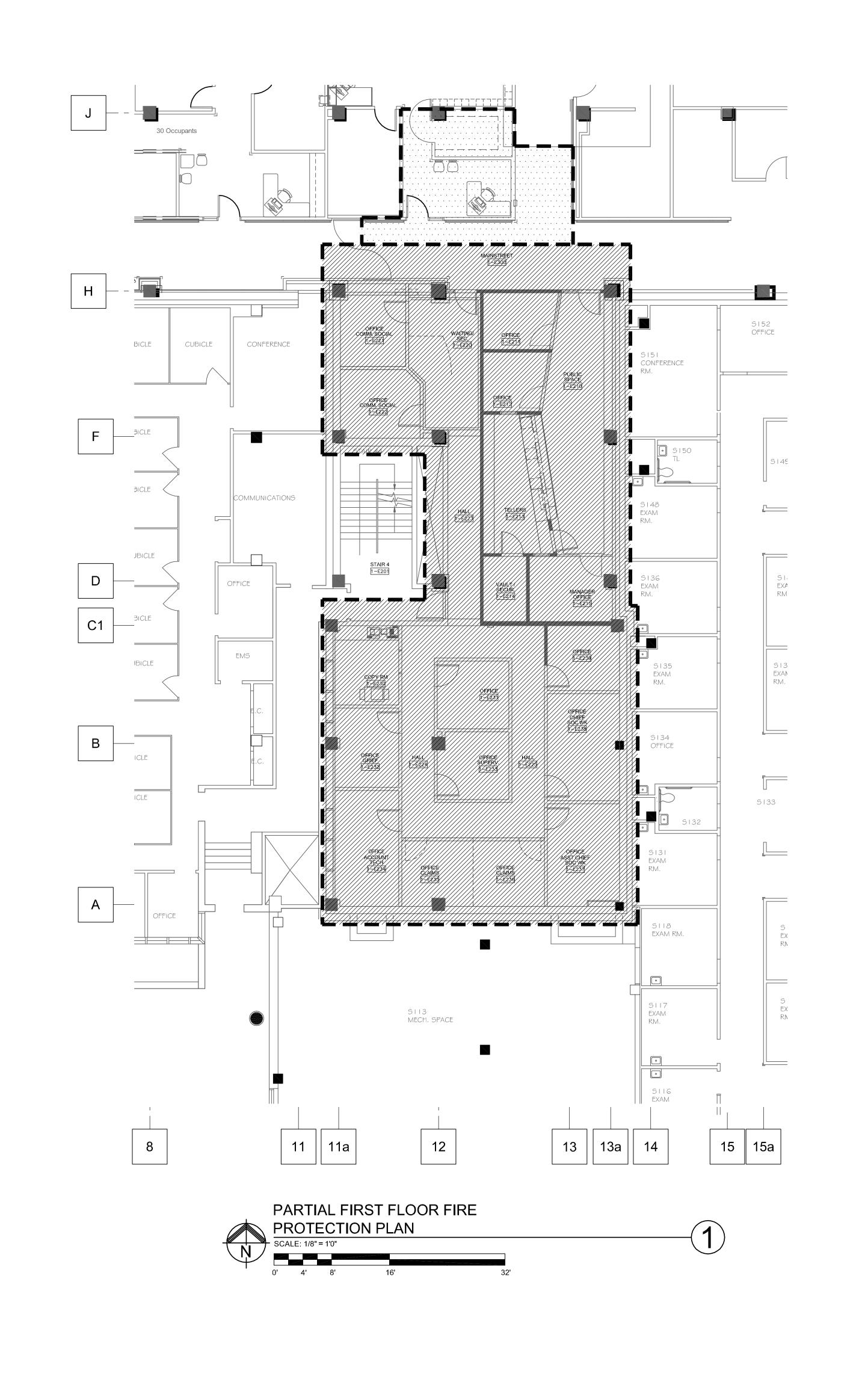
Project Number

Management Department of Veterans Affairs

Office of

Facilities

VA FORM 08-6231, OCT 1978



FIRE SUPPRESSION PIPING LEGEND

——F— FIRE SUPPRESSION PIPING FIRE RISER STAND PIPE FIRE DEPARTMENT VALVE **ELECTRICAL CONTRACTOR** HVAC CONTRACTOR FIRE SUPPRESSION CONTRACTOR GENERAL CONTRACTOR EXISTING TO REMAIN EXISTING TO BE REMOVED — — — — ISOLATION VALVE VALVED AND CAPPED FIRE DEPARTMENT VALVE LIMIT OF DEMOLITION CONNECT TO EXISTING TAMPER SWITCH ON VALVE FLOW SWITCH

FIRE SUPPRESSION GENERAL NOTES:

- A. LOCATIONS AND ROUTING OF EXISTING PIPING, DUCTWORK AND EQUIPMENT IS PRESUMED FROM EXISTING DRAWINGS. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THESE DRAWINGS.
- B. COORDINATE ALL SHUT-DOWNS OF EXISTING SYSTEMS WITH OWNER A MINIMUM OF TEN WORKING DAYS IN ADVANCE.
- C. PRIOR TO INSTALLATION, VERIFY PRECISE LOCATION OF NEW WALL MOUNTED DEVICES WITH OWNER AND ARCHITECT. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PRECISE LOCATION OF CEILING MOUNTED DEVICES.
- D. PROVIDE ADEQUATE SERVICE CLEARANCE FOR ALL EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER.
- E. NEW PIPING SHALL NOT BE ROUTED ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF PANELS.
- F. THE FIRE SUPPRESSION CONTRACTOR SHALL PROVIDE DETAILED DESIGN OF THE SPRINKLER
- G. UNLESS OTHERWISE NOTED NEW SPRINKLERS SHALL BE AS FOLLOWS: G.1. AREAS WITH CEILINGS: RECESSED CONCEALED STYLE WITH COVER PLATES. G.2. EXPOSED STRUCTURE: UPRIGHT OR PENDENT TYPE.

SAME SHAPE AND SIZE. COLOR SHALL BE REVIEWED BY ARCHITECT.

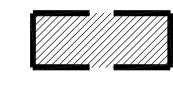
SYSTEM. REFER TO SPECIFICATIONS.

- H. ALL SPRINKLERS FURNISHED AS PART OF THIS PROJECT SHALL HAVE COVER PLATES WITH THE
- THE FIRE PROTECTION SYSTEM IS PERFORMANCE SPECIFIED. ALL SPRINKLER PIPE SIZES SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR, BASED ON HYDRAULIC
- CONTRACTOR IS RESPONSIBLE TO SUBMIT THEIR FIRE PROTECTION SHOP DRAWINGS TO OWNERS INSURANCE UNDERWRITER AND LOCAL FIRE MARSHAL AND OBTAIN APPROVAL PRIOR TO
- STARTING WORK. K. PROVIDE SUPPLEMENTAL DRAINS AS NECESSARY TO PROVIDE 100% SYSTEM DRAINAGE. LOCATE DRAINS ABOVE ACCESSIBLE CEILINGS.
- L. REFER TO ARCHITECTURAL PLANS FOR EXACT PHASING REQUIREMENTS.
- M. REFER TO SPECIFICATIONS FOR FIRE SUPPRESSION HAZARD OCCUPANCY CLASSIFICATIONS.
- N. SPRINKLER PIPING SHALL BE A MINIMUM OF ONE INCH.
- O. UNLESS OTHERWISE STATED ON DRAWINGS OR IN THE SPECIFICATIONS, ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE.
- P. ALL SPRINKLER HEADS LOCATED IN CEILING TILES SHALL BE CENTERED IN TILE.
- Q. ALL SPRINKLER ZONES SHALL MATCH SMOKE COMPARTMENTS. REFER TO ARCHITECTURAL PLANS FOR INFORMATION ON SMOKE COMPARTMENTS, SMOKE PARTITIONS AND FIRE BARRIERS.
- R. CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AND GRID AS REQUIRED TO COMPLETE DEMOLITION AND NEW WORK IN AREAS OUTSIDE OF RENOVATION PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY TILES OR GRID DAMAGED DUE TO

ALL OUTLINED AREAS SHALL BE 100% FULLY SPRINKLERED WITH A WET-TYPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 AND VA SPECIFICATIONS. SPRINKLER HEADS SHALL BE INSTALLED SO AS TO ACCOMMODATE ANY NEW CEILINGS. COORDINATE SPRINKLER HEAD LAYOUT WITH ARCHITECTURAL REFLECTED CEILING PLAN. REFER TO MECHANICAL SPECIFICATIONS AND FIRE SUPPRESSION NOTES FOR ADDITIONAL INFORMATION.

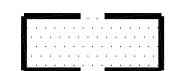
FIRE SUPPRESSION LEGEND

CEILING PLAN.



THIS WORK.

REMOVE EXISTING SPRINKLER MAIN AND BRANCH PIPING AND SPRINKLER HEADS SERVING OUTLINED AREA. PROVIDE ALL NEW MAIN AND BRANCH PIPING AND SPRINKLER HEADS IN OUTLINED AREA. COORDINATE PIPING INSTALLATION WITH ALL OTHER TRADES. REWORK EXISTING MAIN PIPING SERVING ADJACENT AREAS AS REQUIRED. PROVIDE RECESSED, CONCEALED SPRINKLER HEADS WITH WHITE COVER PLATES IN ROOMS WITH CEILINGS. PROVIDE NEW UPRIGHT, PENDENT-TYPE SPRINKLER HEADS IN AREAS WITH EXPOSED STRUCTURE. COORDINATE INSTALLATION OF HEADS WITH ARCHITECTURAL REFLECTED



REWORK EXISTING SPRINKLER MAIN AND BRANCH PIPING IN OUTLINED AREA TO ACCOMMODATE REMOVAL/INSTALLATION OF HVAC SYSTEMS. PROVIDE NEW SPRINKLER HEADS IN AREAS WHERE EXISTING CEILINGS ARE BEING REMOVED/REPLACED. COORDINATE CEILING REMOVAL/REPLACEMENT WITH ALL CONTRACTORS. SPRINKLER HEADS SHALL MATCH THOSE IN EXISTING CEILINGS.

FULLY SPRINKLERED

CONSULTANTS: Final Bid Set Documents 4-27-12 Revisions: Date

FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 672 EAST ROYALTON ROAD BROADVIEW HTS., OHIO 44147 TEL. (440) 546-9696 FAX: (440) 546-9699



ARCHITECT: 13212 Shaker Square Suite 204 Cleveland, Ohio 44120 P. 216.752.1800 F.216.752.3833

DESIGN AND CONSTRUCTION DOCUMENTS AS INSTRUMENTS OF SERVICE ARE GIVEN IN CONFIDENCE AND REMAIN THE PROPERTY OF DESIGN AND THESE CONSTRUCTION DOCUMENTS FOR PURPOSES OTHER THAN THE SPECIFIC PROJECT NAMED HEREIN IS STRICTLY PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF PERSPECTUS ARCHITECTURE.

FIRE PROTECTION PLAN Approved: Project Director 04-27-12

Drawing Title

roject Title roject Number **SOCIAL WORK AND** 541-12-104 **HBPC OFFICE** Building Number **RENOVATION** Drawing Number **VAMC - WADE PARK** 1-FP1 Checked

SEP

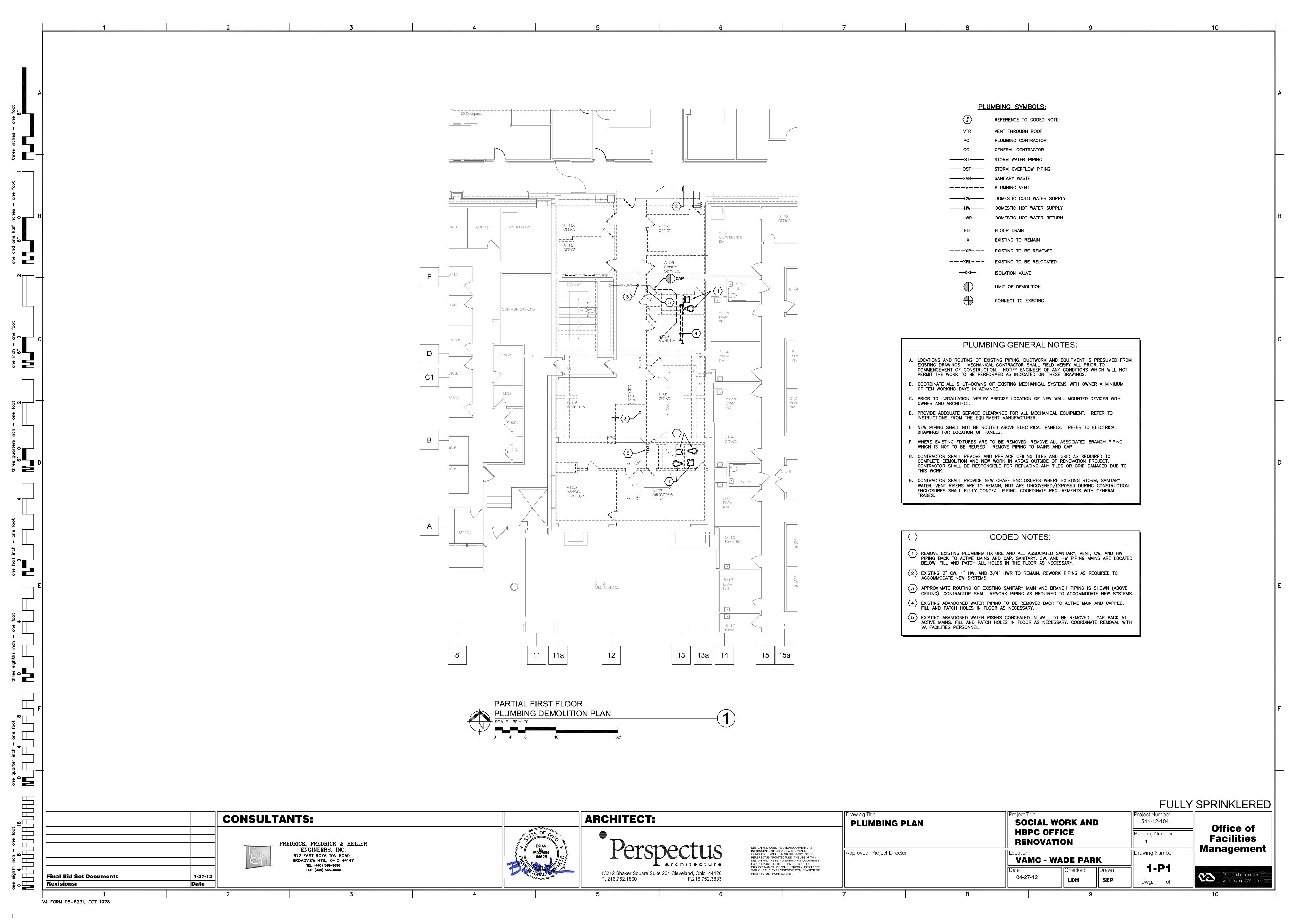
Dwg.

LDH

Office of **Facilities** Management

Department of Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



VAV TERMINALS 🛞

MARK	MAX.	MIN.	TERMINAL		HOT WATE	R HEATING C	OIL PERFORMA	NCE	
MARK	AIRFLOW (CFM)	AIRFLOW (CFM)	TYPE (NOTE 2)	CAPACITY (MBH)	COIL FLOW (GPM)	AIR TEMP. RISE (°F)	WATER PRES. DROP (FT.)	NUMBER OF ROWS	BRANCH PIPE SIZE
VAV-1	200	100	A	3.8	0.3	35	0.10	1	3/4"
VAV-2	200	200	Α	7.6	0.5	35	0.10	2	3/4"
VAV-3	200	100	Α	3.8	0.3	35	0.10	1	3/4"
VAV-4	575	400	В	15.2	0.8	35	0.15	2	3/4"
VAV-5	115	60	Α	2.3	0.25	35	0.10	1	3/4"
VAV-6	300	150	Α	5.7	0.3	35	0.15	1	3/4"
VAV-7	115	60	Α	2.3	0.25	35	0.10	1	3/4"
VAV-8	200	100	Α	3.8	0.3	35	0.10	1	3/4"
VAV-9	350	175	Α	6.6	0.3	35	0.15	1	3/4"
VAV-10	215	100	Α	3.8	0.3	35	0.10	1	3/4"
VAV-11	115	60	Α	2.3	0.25	35	0.10	1	3/4"

VAV TERMINAL NOTES:

- 1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 2. TERMINALS SHALL BE CAPABLE OF OPERATING WITH A MINIMUM INLET PRESSURE OF 0.5 IN. W.G. PROVIDE WITH SCREW ACCESS (UN-HINGED) WHERE TERMINALS ARE INSTALLED IN THE BEAM/JOIST SPACE.
- 3. REFER TO "VARIABLE AIR VOLUME TERMINALS: CONNECTION SCHEDULE" FOR TERMINAL SIZE, DUCT CONNECTIONS AND

VARIABLE AIR VOLUME TERMINALS : CONNECTION SCHEDULE

TERMINAL TYPE	IN	LET	MAX AIRFLOW (CFM)	TERMINAL AIR PRESSURE DROP (IN W.G.)	RADIATED NOISE (NC)	DISCHARGE	
	TERMINAL NECK SIZE (IN)	SUPPLY DUCT (IN)				TERMINAL CONN. SIZE (IN)	DISCHARGE DUCT (IN)
A	6 " ø	8 " ø	350	1.0"	25	12x8	10×10
В	8 " ø	10 " ø	700	1.0"	27	12x10	16x12

- 1. PROVIDE DUCT SIZES AS INDICATED OR EQUIVALENT FREE AREA AS INDICATED ON PLANS.
- 2. CONTRACTOR SHALL PROVIDE ALL TRANSITIONS/OFFSETS AS NECESSARY.

AIR DISTRIBUTION DEVICE (DIFFUSERS, REGISTERS AND GRILLES) (NECK

MARK	TYPE	FACE SIZE (INCHES)	NECK SIZE (INCHES)	STYLE	COLOR	MATERIAL	FACTORY DAMPER	NOTES
S1	SUPPLY DIFFUSER	24×24	SEE TAG	PLAQUE FACE LAY-IN	WHITE	ALUMINUM	_	1
S2	SUPPLY DIFFUSER	12x12	SEE TAG	PLAQUE FACE LAY-IN	WHITE	ALUMINUM	_	1,2
R1	RETURN GRILLE	24x12	SEE TAG	PERFORATED FACE LAY-IN	WHITE	ALUMINUM	_	1
R2	RETURN GRILLE	24×24	SEE TAG	PERFORATED FACE	WHITE	ALUMINUM	_	1

NOTES:

- 1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 2. PROVIDE 24"x24" LAY-IN PANEL.

MECHANICAL SYMBOLS:

ABBREVIATIONS:

ACCESS DOOR ABOVE FINISHED FLOOR AIR HANDLING UNIT ACCESS PANEL CLEAN OUT CUBIC FEET PER MINUTE COLD WATER DRY BULB TEMPERATURE DIRECT DIGITAL CONTROL DECIBELS DEW POINT TEMPERATURE EXHAUST AIR EXHAUST FAN EXISTING FLOOR FIRE DAMPER COMBINATION FIRE/SMOKE DAMPER GALLONS PER MINUTE HEATING COIL MAXIMUM MINIMUM NOT TO SCALE NOMINAL OUTDOOR AIR PRESSURE DROP RETURN AIR REHEAT COIL RELATIVE HUMIDITY SUPPLY AIR SPECIFIC GRAVITY STATIC PRESSURE

STATIC PRESSURE SENSOR

VARIABLE FREQUENCY DRIVE

WET BULB TEMPERATURE

EXISTING TO BE REMOVED

EXISTING TO BE RELOCATED

TEMPERATURE CONTROL PANEL

STAINLESS STEEL

VOLUME DAMPER

EXISTING

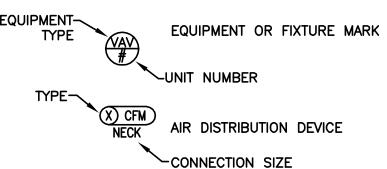
GENERAL SYMBOLS:

POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK LIMIT OF DEMOLITION

EXISTING TO REMAIN EXISTING TO BE REMOVED EXISTING TO BE RELOCATED _____

CALL OUTS:

REFERENCE TO CODED NOTE



AT DEVICE

DUCTWORK SYMBOLS:

24x18 RECTANGULAR DUCT SIZE

12**"**ø ROUND DUCT SIZE MANUAL BALANCING DAMPER ON DUCT TO BE MOUNTED OVER ACCESSIBLE CEILING SUPPLY AIR DUCT RETURN AIR DUCT EXHAUST AIR DUCT SINGLE LINE \longrightarrow INDICATES TRANSITION SUPPLY AIR DIFFUSER UNION RETURN AIR GRILLE **EXHAUST AIR GRILLE** SHADING INDICATES TO PROVIDE QUADRANT BLANK-OFF IN NECK OF DIFFUSER. TO BE FURNISHED WITH DIFFUSER. SUPPLY DUCT (UP & DOWN) EXHAUST DUCT (UP & DOWN) SUPPLY TOP REGISTER OR GRILLE (WALL TYPE) EXHAUST OR RETURN CEILING REGISTER OR GRILLE EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE) EXHAUST OR RETURN REGISTER OR TOP GRILLE CONNECT NEW DUCT TO EXISTING DUCT

CONTROL SYMBOLS:

FIRE DAMPER

LIMIT OF DEMOLITION

PNEUMATIC THERMOSTAT DDC THERMOSTAT

HVAC PIPING:

HEIGHT OF BOTTOM OF PIPE ABOVE FLOOR CONDENSATE PIPING HEATING HOT WATER SUPPLY HEATING HOT WATER RETURN SHUTOFF VALVE SHUTOFF VALVE IN VERTICAL PIPE CHECK VALVE REDUCER OR INCREASER PIPE TRANSITION ECCENTRIC REDUCER TOP CONNECTION, 45° OR 90° BOTTOM CONNECTION, 45° OR 90° SIDE CONNECTION DIRECTION OF FLOW STRAINER BALANCING VALVE FLEXIBLE PIPE CONNECTOR GAUGE PORT (PETE'S PLUG) 2-WAY CONTROL VALVE PRESSURE GAUGE LOCAL DRAIN, VALVED WITH 3/4" THREADED CONNECTOR NORMALLY OPEN NORMALLY CLOSED MANUAL AIR VENT

HVAC GENERAL NOTES:

- A. LOCATIONS AND ROUTING OF EXISTING PIPING, DUCTWORK AND EQUIPMENT IS PRESUMED FROM EXISTING DRAWINGS. MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THESE DRAWINGS.
- B. COORDINATE ALL SHUT-DOWNS OF EXISTING MECHANICAL SYSTEMS WITH OWNER A MINIMUM OF TEN WORKING DAYS IN ADVANCE.
- C. PRIOR TO INSTALLATION, VERIFY PRECISE LOCATION OF NEW WALL MOUNTED DEVICES WITH OWNER AND ARCHITECT. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PRECISE LOCATION OF CEILING MOUNTED DEVICES. COORDINATE ROOF MOUNTED EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLATION.
- D. PROVIDE ADEQUATE SERVICE CLEARANCE FOR ALL MECHANICAL EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER. MAINTAIN A MINIMUM OF 18 INCH CLEARANCE AT CONTROLS FOR VARIABLE AIR VOLUME TERMINALS AND VENTURI VAV
- E. NEW DUCTS OR PIPING SHALL NOT BE ROUTED ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF PANELS.
- F. UNLESS NOTED OTHERWISE, BRANCH DUCTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE NECK OF THE DIFFUSER.
- G. NO TEMPERATURE SENSING CONTROL DEVICES SHALL BE LOCATED OVER HEAT PRODUCING
- H. MECHANICAL DRAWINGS ARE DIAGRAMMATIC. WHERE DUCT SIZE SHOWN IS IN CONFLICT WITH STRUCTURE OR OTHER BUILDING SYSTEM, CONTRACTOR MAY MODIFY DUCT SIZE AND PROVIDE EQUIVALENT FREE AREA DUCT.
- WHERE EQUIPMENT IS TO BE REMOVED, REMOVE ALL ASSOCIATED PIPING, DUCTWORK, CONTROLS, CONCRETE PADS, SUPPORTS, ETC. PATCH WALL AND FLOOR OPENINGS TO MATCH ADJACENT SURFACES.
- J. CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AND GRID AS REQUIRED TO COMPLETE DEMOLITION AND NEW WORK IN AREAS OUTSIDE OF RENOVATION PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY TILES OR GRID DAMAGED DUE TO THIS WORK.

HVAC DESIG	N DA	ATA			
OUTDOOR DESIGN = 89.4°F Db SUMMER 73.9°F Wb SUMMER -4.0°F Db WINTER	DESIGN ALTITUDE: 800 FT.				
	Ç	SUMMER		WINTER	
INDOOR AREA DESIGN CONDITIONS	Db *F	RELATIVE HUMIDITY (%)	Db *F	RELATIVE HUMIDITY (%)	
CORRIDOR	75	60	70	20	
OFFICES	75	60	70	20	
WAITING/PUBLIC AREAS	75	60	70	20	

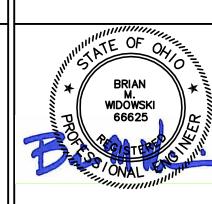
FULLY SPRINKLERED

Final Bid Set Documents 4-27-12

Date

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DESIGN AND CONSTRUCTION DOCUMENTS AS INSTRUMENTS OF SERVICE ARE GIVEN IN CONFIDENCE AND REMAIN THE PROPERTY OF DESIGN AND THESE CONSTRUCTION DOCUMENTS FOR PURPOSES OTHER THAN THE SPECIFIC
PROJECT NAMED HEREIN IS STRICTLY PROHIBITED
WITHOUT THE EXPRESSED WRITTEN CONSENT OF PERSPECTUS ARCHITECTURE.

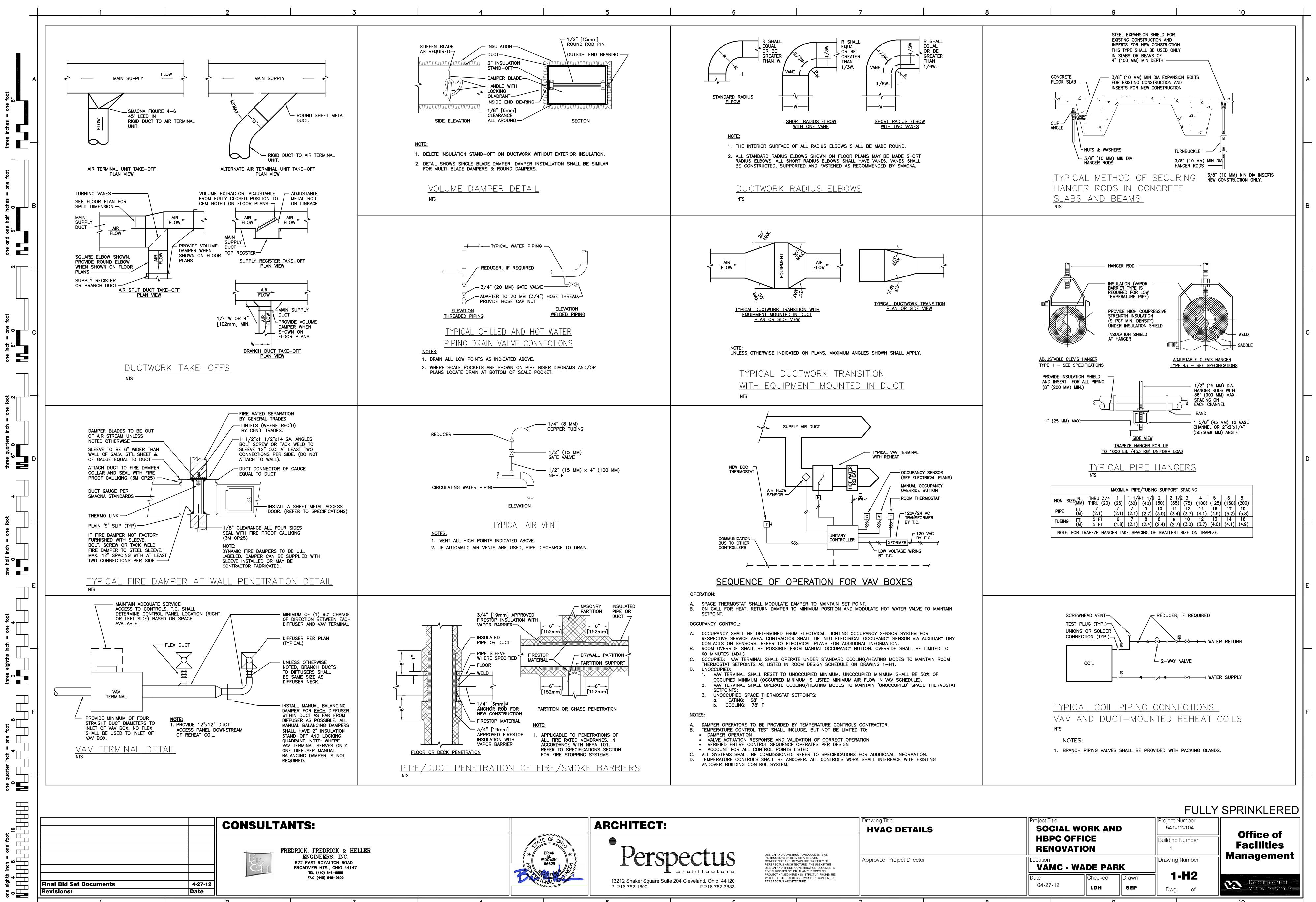
roject Title Drawing Title roject Number **SOCIAL WORK AND** 541-12-104 **HVAC LEGEND AND SCHEDULES HBPC OFFICE** Building Number RENOVATION Approved: Project Director Drawing Number **VAMC - WADE PARK** 1-H1 Checked 04-27-12 LDH SEP Dwg.

Office of **Facilities** Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

Revisions:



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